OELAS Annual Conference
Building Innovation in Education

Arizona Department of Education
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ADE IT Modernization Effort
AELAS: Education MIS Roadmap

Arizona Department of Education

Year 1 — Year 2 — Year 3 — AELAS 2014

Year 1
- "Map the Mess"
- Define Services
- Develop Requirements
- Business Case
- Prepare RFP
- Statewide Student/Teacher Identifier recommendation
- Establish Data Governance Commission

Year 2
- Prepare Service RFP
- Select Vendors to Build Platform
- Support Services
- Pilot Test District Selected

Year 3
- Design
- Implementation
- Begin State Implementation
- Training Centers

Year 4
- Continue Rollout

Proposed Education Management Information System

SIS (Student Information System)

Human Resources

Assessment

Transportation

Food Service

Library

Finance

Special Education

SAIS

Library — Transportation — Special Education

HR — SIS (Student Information System) — Finance

Food Service — Other — Assessment

Federal — State — District — Teacher — Students — Parents

The tool creates reports that everyone at the appropriate level can access

These reports help inform instruction and reallocate resources effectively
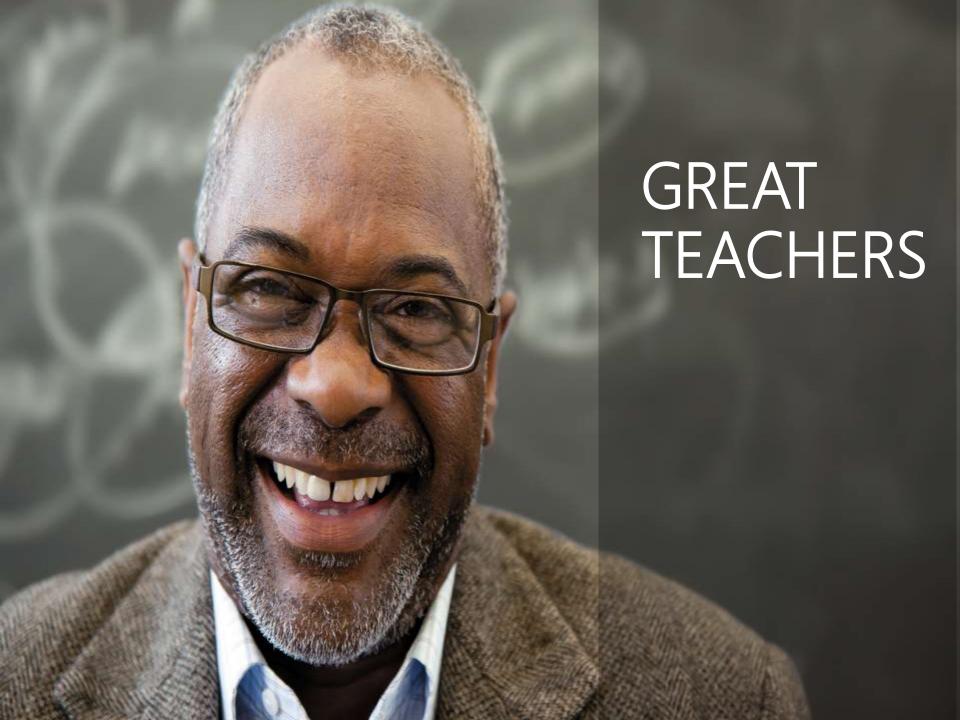
An interoperable system connects all information and technologies

This program results in student improvement and enables the continuous

Raising
The BAR

Imperatives

Standards

New Systems

If education is the foundation of society, then technology is quickly becoming the mortar which binds and strengthens that foundation.

STUDENT
SUCCESS

GREAT TEACHERS

Road to Student Success
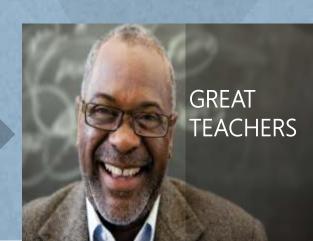
College Ready   Career Ready

Standards

ACHIEVE

MOTIVATE

ENABLE

Transformational Leadership

Professional Development
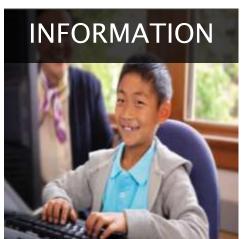
EFFECTIVE INSTITUTIONS

Shared Vision

GREAT TEACHERS

People First: *Technology is a supporting component of the system*

*A State-wide *system* that uses *information* to purposefully orchestrate the *resources* of the all districts, LEA's to focus on progressing each student along a personalized success plan aligned with __locally-adopted__ *standards*.*

SYSTEM	INFORMATION	RESOURCES	STANDARDS
People	Identity	People	National
Process	Content	Technology	State
Technology	Data	Applications	Local
	Analytics	Facilities	

The Pathway to Next-Generation

College Ready

Career Ready

Drive Next Gen Learning

ACHIEVE
Success Management

Personalized Learning

Academic Analytics

Resource Registry

Learner Focused

Adopt Proven Success Models

MOTIVATE
Student Owned Learning

Beyond the Halls

Dynamic Classroom

Community Connected

Leadership Focused

Leverage Existing Investments

ENABLE
21st Century Expectations

Collaborative Communications

Core Literacy

Equal Access

Secure & Efficient Operations

IT Focused

Student 360
Next Generation Maturity Model

College Ready

Career Ready

Level 1
Level 2
Level 3
Level 4

- Predictive Analytics
- Achievement Tracking
- Personalized Learning Plans
- Adaptive Content

- Longitudinal Data Warehouse
- Educator Collaboration
- Student Profile & Progress Tracking
- User Ratings & Approval

- Academic Analyzer
- Community Engagement
- Student Engagement
- Content Pacing Plans

- Data Integration
- Identity Management
- Intervention Case Management
- Competency Definitions
- Reporting
- Entity Relationships
- Content mapped to Standards

Data Analytics
Microsoft SQL Server

Information Access
Microsoft SharePoint Server

Student Success Management
Microsoft Dynamics CRM

Standards & Curriculum
Microsoft SharePoint Server

How Arizona will Get There
With Student 360

College Ready

Career Ready

Level 1
Level 2
Level 3
Level 4

ACHIEVE   Engaged   Personalized

MOTIVATE   Connected   Engaged

ENABLE   Integrated

Data Analytics   Information Access   Standards & Curriculum   Student Success Management

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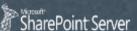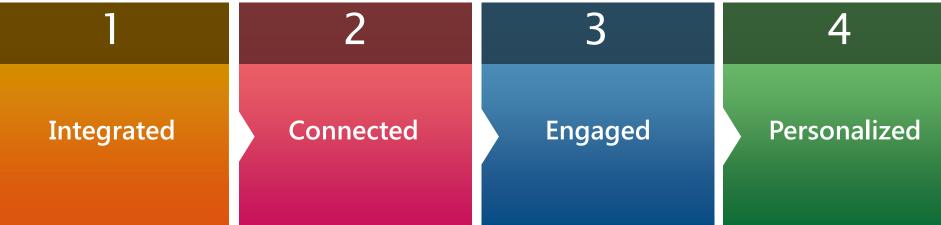
ADE IT Modernization Effort
Maturity Levels Defined

1	2	3	4
Integrated	Connected	Engaged	Personalized

Identity, content, data and process

Community–wide access

Everyone tracking to same the goals
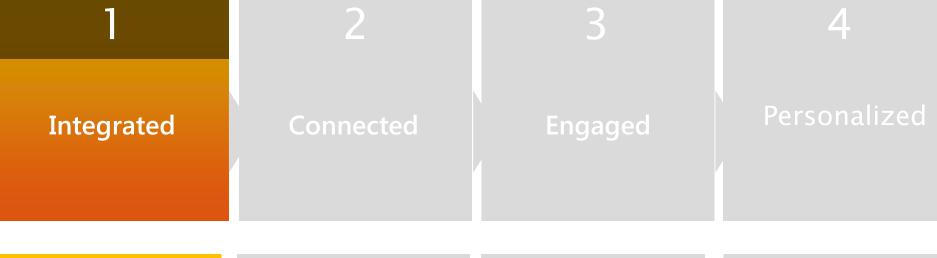
Next Generation Learning

Many Arizona districts have higher Maturity Levels. From a State of Arizona view, we are driving to personalize opportunities for all students and districts.

Without the RIGHT technology solutions with State–owned data, the journey is improbable!

ADE IT Modernization Effort
Where is Arizona Right Now?

We are designing the frame work to ensure success tomorrow!

1	2	3	4
Integrated	Connected	Engaged	Personalized
Identity, content, data and process	Community-wide access	Everyone tracking to same the goals	Next Generation Learning

Arizona, through the ADE with sponsorship from the Governor, House, Senate and Superintendent, has undertaken a major modernization effort…..

ADE IT Statewide Data Management
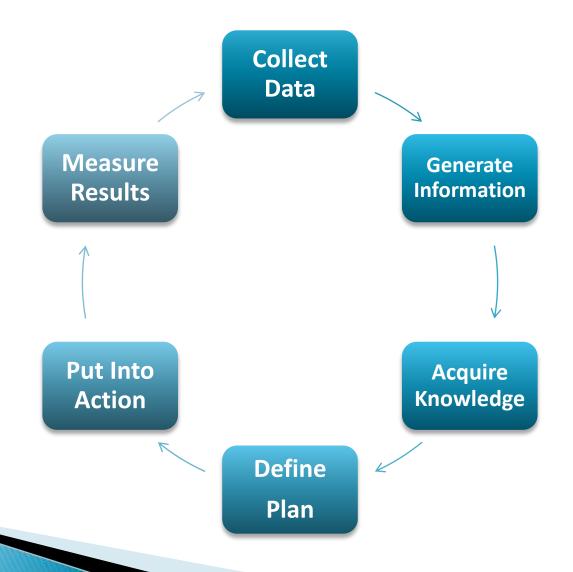
AZ–SLDS and what that means to you

Goal of Statewide Data Management System

Goal of Statewide Data Management System

ADE IT Statewide Data Management

What this means to you

Building Innovation in Education Teachers

- ELL students can be very mobile
  - Centralized access to student records and curricula
  - Test scores compared to others in school/district (longitudinal data)
  - Teaching tools and progress reports from other schools/districts
  - Students "pick up where they left off" so there is no catch up or redundant instruction

End Result: Teachers will be able to execute consistent learning plans, allowing a student to seamlessly transfer into a new school.

Building Innovation in Education Administrators

- Office managers, principals and specialists have access to a student's **COMPLETE** record
- Saves time, money and resources
  - No more chasing down student data from other LEAs
  - Reduces redundant processes
  - Economies of scale

End Result: School administrators will have all the necessary information to enroll a student quickly and efficiently into a new school.

Building Innovation in Education
Where do we go from here?

- How do we design a system that will work for you?

- What information do you need to be a more successful teacher?